

ABSTRACT

A reception apparatus and reception method for converting symbol data to a reception bit string efficiently with a small amount of calculation. A despreading section (110) despreads a received signal. A coherent detection section (120) carries out coherent detection of a despread signal obtained by despreading the received signal using a corrected channel estimate value output from an estimate value correction section (170). A RAKE combining section (130) RAKE-combines the signal subjected to coherent detection. A phase rotation section (140) adds phase rotation corresponding to a channelization code to the RAKE-combined signal. A QPSK demapping section (150) demodulates the signal output from the phase rotation section (140) and outputs a reception bit string. A channel estimation section (160) carries out channel estimation using the received signal. The estimate value correction section (170) adds ($\pi/4$) phase rotation to each channel estimate value output from the channel estimation section (160).